RS5000 1D/2D Corded Ring Scanner

Improve the productivity of your zebra wearable computer users with cost-effective hands-free 1D/2D scanning

Want to maximize the productivity of your Zebra wearable computer users? With Zebra's hands-free RS5000 scanner, you can. Your workers can capture virtually any barcode at lightning speed with point-and-shoot simplicity — 1D or 2D, in virtually any condition. When it comes to comfort, the RS5000 delivers — this lightweight, perfectly-balanced little scanner is worn on a single finger on either hand, leaving both hands free to handle materials. And since the warehouse, distribution center and manufacturing plants are some of the toughest environments, this little scanner is big on durability. Your workers can drop it, spray it with water and even use it in the freezer — and still expect reliable operation. Get the powerful little ring scanner that delivers more — more productive workers, more value out of your Zebra wearable computers and more satisfied customers.

Rugged Ring Scanner
The RS5000 is designed for challenging warehouse and manufacturing environments. Designed for subzero environments, it can be used in your warehouse aisles and in the freezer. It can withstand a 4 ft./1.2 m drop across the entire operating temperature range — a must for freezer use. Even after 1,000 consecutive bumps, the RS5000 delivers reliable operation. And with its IP65 sealing, this rugged scanner is dust-proof and spray-proof.

Wide Working Range
Workers can capture barcodes from near contact to over 25 in./63.5 cm.

PRZM Intelligent Imaging for Unparalleled Scanning Performance
Only from Zebra, PRZM resets the bar for imaging by providing features that reduce decode time, enabling lightning fast capture of virtually any barcode in any condition. PRZM turns poor images into instantly useful images, so high quality images are available for decoding faster. PRZM then handles some of the processing typically handled in the decoder, increasing decoding speed, reducing power usage and improving battery cycle times. The result? The faster-than-ever accurate scanning your workers need to improve productivity and reduce cycle times in your operations.

Ambidextrous Operation
With the convenient swivel feature, your workers can easily switch between right and left-handed operation on the fly, allowing users to choose the hand that is most comfortable — and switch hands in seconds.

Wide Field of View
Workers can easily read the large barcodes often found in warehouses, as well as labels that contain multiple barcodes.

Maximize worker productivity and the value of your Zebra wearable computers with the RS5000.
For more information about the RS5000 Ring Scanner, visit www.zebra.com/rs5000 or access our global contact directory at www.zebra.com/contact

Omni-directional Scanning for Point-and-Shoot Simplicity
scanner, reducing training requirements and enabling intuitive and rapid barcode capture.

Separate Finger Strap Assembly
Give each worker their own easy-to-replace finger strap assembly to help improve hygiene and prevent the spread of germs.

Picklist Mode
The small and sharp aiming dot allows users to easily select and scan a single barcode from a field of barcodes.

Easy to Deploy
Whether you use the WT41N0 or WT6000 Zebra wearable computers, there is a configuration that connects in seconds.

Specifications

Models

RS5000 Short Cable version for WT6000 (RS5000-LCFSWR)
RS5000 Long Cable version for WT6000 (RS5000-LCFLWR)
RS5000 Short Cable version for WT41N0 (RS5000-LCBSWR)

Physical Characteristics

Dimensions	2.0 in. L x 1.26 in. W x 1.1 in. D 51.5mm L x 32mm W x 27.5mm D
Weight	WT41 version weight: 92 g WT6000 short cable version: 76 g WT6000 long cable version: 112 g

Performance Characteristics

Optical Resolution	1280 x 800 pixels
Roll	360°
Pitch Angle	±60° from normal
Skew Tolerance:	±60° from normal
Aiming Element	610nm LED
Illumination	One Hyper Red 660nm LED
Field of View	Horizontal: 42°, Vertical: 28.0°
Ambient Light Immunity (from total darkness)	Indoor: 450 ft. candles (4,845 lux) Outdoor: 9,000 ft. candles (96,900 lux)
Supported 1D Symbologies	Code 39, Code 128, Code 93, Codebar/NW7, Code 11, MSI, UPC/EAN, I 2of 5, Korean 3 of 5, GSI DataBar, Base 32 (Italian Pharma)
Supported 2D Symbologies	PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, DataMatrix, MaxiCode, QR Code, Micro QR, Chinese Sensible (Han Xin), Postal Codes.

User Interface

LED	Two color red/green scan status LED
Scan Triggering	Manual ambidextrous trigger

User Environment

Operating Temp.	-22°F to +122°F/-30°C to +50°C
Storage Temp.	-40°F to +140°F/-40°C to +60°C
Humidity	5% to 95% non-condensing
Drop Rating	Multiple 4 ft. /1.2 m drops to concrete over the operating temperature range
Tumble Rating	1,000 tumbles @ 0.5 m at room temperature
Sealing	IEC 60529: IP65
Vibration	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
Electrostatic Discharge (ESD)	+/-20kVdc air discharge +/-10kVdc contact discharge

Software Compatibility

DataWedge and select MDM solutions (via Zebra's MDM toolkit)

Recommended Services

Zebra OneCare

Warranty

Subject to the terms of Zebra's hardware warranty statement, the RS5000 is warranted against defects in workmanship and materials for a period of 1 (one) year from the date of shipment. For complete warranty statement, please visit: https://www.zebra.com/warranty

SE4710 Focus Range*

Symbology	Near
5 mil Code 39	2.75 in./6.9 cm
5 mil Code 128	3.5 in./8.89 cm
5 mil PDF417	4.25 in./10.8 cm
10 mil DataMatix	3.75 in./9.5 cm
100% UPCA	1.8 in./4.5 cm
20 mil Code 39	2 in./5.0 cm
	Far
5 mil Code 39	12 in./30.4 cm
5 mil Code 128	7.5 in./19.0 cm
5 mil PDF417	7.25 in./18.4 cm
10 mil DataMatix	9 in./22.8 cm
100% UPCA	19.75 in./50.1 cm
20 mil Code 39	25 in./63.5 cm

* NOTE: The ranges listed are limited by the width of the barcode in the field of view.
Specifications subject to change without notice.

Markets and Applications

Warehousing

• Warehouse management
• Receiving
• Picking/voice picking
• Put-away
• Sorting
• Loading

Manufacturing

• Inventory management
• Replenishment
• Parts tracking

Transportation and Logistics

• Warehouse management

Retail

• Back of store warehouse management
• Receiving
• Inventory management
• Sortation

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